DESCRIPTION

To automate a real-world web application

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Flipkart is an e-commerce platform, and they have launched a new feature to search for a product in a particular category. Once the product is searched, Flipkart displays it as a list of product items. To enhance the performance of the application, Flipkart has implemented lazy loading. It displays only a few products that can come on the screen.

To display or load more products, the user must scroll down.

As a Test Engineer, you are expected to test this feature end-to-end.

Detailed Scenario:

Navigate to the Flipkart homepage (https://www.flipkart.com/)

Determine a page load time with a performance test

Search for a product, say, “iPhone 13” under the “Mobile” category

Check if the images are loaded and visible till the screen height only

Check if the page has a scroll feature

Check the frequency at which the content will be refreshed while scrolling

Verify that the image is downloaded just before the user scrolls to its position and gets displayed in time

Verify that it navigates to the bottom of the page

Check whether different browsers and screen resolutions render it the same way

Tools Required:

Selenium Library

Eclipse IDE

TestNG Library

Maven